

CHIZHOV, B. N.

CHIZHOV, B. N. -- "Investigation of the Effect of Some Small Deviations in the Dimensions of Blades on the Effectiveness of Compressor Gratings." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

3/124/60/000/004/011/027
A005/A001

Translation from: Referativnyy zhurnal, Mekhanika, 1960, No. 4, p. 53, # 4555

AUTHOR: Chizhov, B.N.

TITLE: The Influence of Certain Small Deviations in the Profile Geometry
on the Resistance of a Compressor Cascade

PERIODICAL: Tr. Ufimsk. aviats. in-ta, 1957 (1958), No. 4, pp. 91-104.

TEXT: The results of an experimental investigation are described of the influence of small deviations in shape and dimensions of the blade profile on the aerodynamic characteristics of plane compressor cascades at low velocities corresponding to Mach number $M \leq 0.25 \dots 0.3$ and Reynolds numbers $R = (1.9 \dots 2.35) \times 10^5$ for a cascade density from 0.82 to 1.15 and reaction degrees from 50% to 100%. The variation of the blade profile was effected by gluing on dense paper, 0.1 to 0.3 mm thick. It turned out that the deterioration of the convex blade surface yields the most noticeable growth of losses in the cascade. The influence of variations in the profile geometry on the compressor cascade

Card 1/2

S/124/60/000/004/011/027
A005/A001

The Influence of Certain Small Deviations in the Profile Geometry on the Resistance of a Compressor Cascade

resistance increases with increasing degree of reaction and cascade density.
The variation in profile geometry affects especially intensely the compressor cascade resistance at angles of incidence different from the optimum angle.

B.S. Dorogov

Translator's note: This is the full translation of the original Russian abstract.

✓B

Card 2/2

S/124/60/000/004/012/027
A005/A001

Translation from: Referativnyy zhurnal, Mekhanika, 1960, No. 4, p. 53, # 4556

AUTHOR: Chizhov, B.N.

TITLE: The Influence of Roughness of the Blade Surface on the Compressor Cascade Resistance

PERIODICAL: Tr. Ufimsk. aviat. in-ta, 1957 (1958), No. 4, pp. 105-117

TEXT: Results from an experimental investigation are presented of the influence of the heightened roughness of the blade surface in a compressor cascade on the losses in the cascade for velocities of 80 ... 85 m/sec and Reynolds numbers $R = (1.9 \dots 2.35) \times 10^5$. Blades with a relative roughness (with respect to the blade chord) from 4.4×10^{-5} to 1.6×10^{-3} were tested. Quantitative data on the increase of losses in the cascade were obtained for roughening the blade surface. It is shown that a reduction in the quality of the compressor blade surface machining increases especially strongly the losses in the cascade at angles of incidence different from the optimum angle. The roughness on the convex blade side leads to essentially larger influence on the losses than that

Card 1/2

✓B

8/124/60/000/004/012/027
A005/A001

The Influence of Roughness of the Blade Surface on the Compressor Cascade Resistance

on the concave side. The influence of roughness on the increase in resistance increases with heightening the degree of reaction and the cascade density of the stage.

B.S. Dorogov

Translator's note: This is the full translation of the original Russian abstract.

✓B

Card 2/2

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308920007-2

LAPIDUS, A.S.; CHIZHOV, B.N.

Causes of seizing on the feed guides of machine tools and methods for
its prevention. Stan. i instr. 36 no. 5;22-25 My '65. (MIRA 18;5)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308920007-2"

GRAGEROV, I.P.; CHIZHOV, B.V.

Study of the mechanism of homolytic reaction in solution by
the isotopic and mass spectrometry methods. Part 7: Properties
of α -naphthyl and p-diphenyl radicals. Zhur.org.khim. 1 no.3:578-
583 Mr '65. (MIRA 12:4)

L 57464-65 EWT(m)/EPF(c)/EWP(j) Pg-4/Pr-4 RPL RM
ACCESSION NR: AP5013773 UR/0366/65/001/005/0838/0843
546.11.02:547.024:547.5

AUTHOR: Gragerov, I.P.; Chizhov, B.V.

TITLE: Study of the mechanism of homolytic reactions in solutions by the isotope and mass spectrometric methods. 3. Properties of benzyl and cyclohexyl radicals

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 5, 1965, 836-843

TOPIC TAGS: homolytic reaction, homolytic reaction mechanism, isotope method, mass spectrum, benzyl radical property, cyclohexyl radical property, benzene solution, heavy toluene solution, heavy cyclohexane solution, alpha-naphthylmethyl radical, triphenyldeuteromethane solution, diphenylmethane, hydrogen detachment

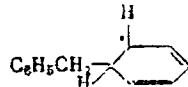
ABSTRACT: The behavior of benzyl and cyclohexyl radicals in solutions of benzene, toluene, cyclohexane, α -deuteronaphthalene, and triphenylmethane has been investigated. Their properties studied because the benzyl radical is a reagent. The results show that: i) benzyl and cyclohexyl radicals, like phenyl radicals, combine with heavy benzene, toluene, cyclohexane, α -naphthyl, ethyl, phenyl, α -naphthyl, and naphthyl groups.

Card 1/3

L 57464-65

ACCESSION NR: AP50137'3

hydrogenate two carbon-phenoxyl-type radicals is formed in the α - β -diphenyl and α - β -dimethylbenzene production of the α -d₁ and α -d₂. It is further shown that the α -phenyl phenoxyl radicals participate in the homolytic formation of diphenylmethane with the α -phenyl phenoxyl radicals in the medium of diphenylmethane with stoichiometric amounts of benzene on the disproportionation of α -d₁.



radicals, serving as the source of diphenylmethane, is another indication that the free benzyl radicals participate in the homolytic reactions. Unlike active radicals such as phenyl, α -naphthyl, and α -diphenyl, which can remove hydrogen from the methyl group of toluene or cyclohexane, but do not detach it from the C-H bond of benzene; and 5) cyclohexyl radicals can remove hydrogen from benzene, toluene, cyclohexane, neopentaiene, and the C-H groups of methane directly or with intermediate attachment to the aromatic nucleus. (See part I, sec. 4, formulae and tables.)

Card 1 of 1

L 57464-65

ACCESSION NR: AP5013713

ASSOCIATION: Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo Akademii Nauk
Ukraine - Institute of Physical Chemistry, Academy of Sciences

SUBMISSION: 1989/01/01

ENCL: 60

NO REV Sov: 011

OTHER: 010

Card 3/3

GRAGEROV, I.P.; CHIZHOV, B.V.

Isotopic and mass spectrometric methods for the study of the mechanism of homolytic reactions in solution. Part 9: Certain reactions of α -naphthyl diazonium and p-diphenyl diazonium chlorides. Zhur. org. khim. 1 no.7:1264-1268 Jl '65.

(MIRA 18:11)

1. Institut fizicheskoy khimii imeni L.V.Pisarzhevskogo AN UkrSSR.

ALEKSANKIN, M.M.; CHIZHOV, B.V.; GOL'DENFEL'D, I.V.; GRAGEROV, I.P.

Mass spectrometric and isotopic method of studying the mechanism of homolytic reactions in a solution. Part 10: Reactions of iodobenzene, 4-indonaphthalene, p-iodobiphenyl, and benzyl chloride with magnesium. Zhur. org. khim. 1 no.11:1909-1914 N '65. (MIRA 18:12)

1. Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo AN UkrSSR. Submitted December 14, 1964.

CHIZHOV, D.G.

YERMAKOV, V.S.; SPIRIN, S.A.; CHIKHOV, D.G.; UGORITS, I.I.; LAVRENNENKO, K.D.;
SMIRNOV, G.V.; CHUPRAKOV, T.N.; MCHITARYAN, S.G.; ASMOLOV, G.L.;
KOTILEVSKIY, A.M.; MOLOKANOV, S.I.; SYROMYATNIKOV, I.A.; PAYEMAN, S.Ts.;
SOKOLOV, B.M.; KOMISSAROV, Yu.P.; MALYUTIN, I.P.; POBEGAYLO, K.N.;
MORYAKOV, A.V.; MELAMED, M.F.; KUMSILASHVILI, P.G.; GARKAVAYA, L.A.;
LIVSHITS, E.M.; NEGRASOV, A.M.

Moisei Vul'fovich Safro; obituary. Elek.sta. 24 no.11:60 N '53.

(MLRA 6:11)

(Safro, Moisei Vul'fovich, ?-1953)

CHIZHOV, D. G.

YERMAKOV, V.S.; KLOCHKOV, I.M.; CHIZHOV, D.G.; KOGTYEV, G.I.; LAVRENNIKOV, K.D.; NEKRASOV, A.W.; SPIRIEV, S.A.; VESSELOV, N.D.; KOTILEVSKIY, D.G.; SMIRNOV, G.V.; MARINOV, A.M.; MAKSIMOV, A.A.; IVANOV, M.I.; MEMOV, A.P.; CHUPRAKOV, N.N.; AVTONOMOV, B.V.; SYROMYATNIKOV, I.A.; MOLOKANOV, S.I.; FAERMAN, S.TS.; GORSEKOV, A.S.; GOL'DENBERG, P.S.; SOKOLOV, B.M.; MAKUSHKIN, Ya.G.; MKHITARYAN, S.G.; RASSADNIKOV, Ye.I.; GRUDIESKIY, P.G.; FOMICHEV, G.I.; SHCHERBININ, B.V.; ZAYTSEV, V.I.; KOKOREV, S.V.; KLYUSHIN, M.P.; PESCHANSKIY, V.I.; SAFRAZENKYAN, G.S.; i dr...

IUrii Prokhorovich Komissarov; obituary. Elek.sta. 25 no.5:60 My '54.
(Komissarov, IUrii Prokhorovich, 1910-1954) (MLRA 7:6)

Chelovek, 20.2.

PAVLENKO,A.S.; YERMAKOV,V.S.; UGORETS,I.I.; SMIRNOV,M.S.; CHIZHOV,D.G.;
KOOTEV,G.I.; BAUSIN,A.P.; VINTER,A.V.; NEKRASOV,A.M.; LAVRENTENKO,
K.D.; KRYLOV,N.A.; KERTSELLI,L.I.

Sergei TSalikovich Faerman; obituary. A.S.Pavlenko and others.
(MLRA 8:12)
Elek.sta.26 no.10:62 0 '55.
(Faerman, Sergei TSalikovich, d.1955)

CHIZHOV, D.G.; KOGTEV, G.I.; LAVRENTENKO, K.D.; SPIRIN, S.A.; NEKRASOV, A.M.; IVANOV, M.I.; UFAYEV, M.Ya.; GRISHIN, I.K.; KOSTIN, M.F.; POPOV, V.A.; ZAGORODNIKOV, P.I.; PEDOTOV, P.N.; KAZ'MIN, A.V.; FOMICHEV, G.I.; YERSHOV, P.I.; MESHCHERYAKOV, V.I.; YEFREMOV, S.G.; LEVIN, I.S.; LISTUCHEV, L.I.; KOKOREV, S.V.

Nikolai Alekseevich Andreev. Energetik 4 no.9:40 S '56. (MLRA 9:10)
(Andreev, Nikolai Alekseevich, 1896-1956)

CHIZHOV D.G.

PERVYKHIN, M.G.; LOGINOV, F.G.; ZHIMMERIN, D.G.; PAVLENKO, A.S.;
KULIK, I.A.; DOMOSHNIKOV, V.I.; DROBYSHEV, A.I.; DIMITRIEV, I.I.;
YERMAKOV, V.S.; SOSIN, L.A.; PODUSHKIN, A.S.; SMIRNOV, M.S.;
TARASOV, N.Ya.; NIKOL'SKIY, G.P.; KRYLOV, N.A.; KOGTEV, G.I.;
ACHKASOV, D.I.; VESSEL'OV, N.D.; CHIZHOV, D.G.; UGORETS, I.I.;
NIKIFOROV, F.N.; PLATOV, N.A.

Vladimir Nikolaevich Sergeev; obituary. Elek. sta. 27 no.3:63 Mr
'56. (MLRA 9:8)
(Sergeev, Vladimir Nikolaevich, 1903-1956)

CHIZHOV D.G.

CHIZHOV, D.G.; KOGTEV, G.I.; LAVRENENKO, K.D.; SPIRIN, S.A.; NEKRASOV, A.M.; IVANOV, M.I.; UFAYEV, M.Ya.; GRISHIN, I.K.; KOSTIN, M.F.; POPOV, V.A.; ZAGORODNIKOV, P.I.; FEDOTOV, P.N.; KAZ'MIN, A.V.; FOMICHEV, G.I.; YERSHOV, P.I.; MESHCHERYAKOV, V.I.; YEFREMOV, S.G.; LEVIN, I.S.; LETUCHEV, L.I.; BMLIKIN, M.N.; OBOLON'KOV, M.I.; BATENIN, B.A.; BUR'YANOV, B.P.; KANATOV, P.I.; KOKOREV, S.V.

Nikolai Alekseevich Andreev. Elek. sta. 27 no.10:62 0 '56.
(Andreev, Nikolai Alekseevich, 1897-1956) (MLRA 9:12)

NOVIKOV, I.T.; PAVLENKO, A.S.; SMIRNOV, M.S.; CHIZHOV, D.G.; LAVERNENKO,
K.D.; NEGRASOV, A.M.; NOsov, R.P.; TARASOV, N.Ya.; ZHIMERIN, D.G.
UGORETS, I.I.; DMITRIYEV, I.I.; DROBYSHEV, A.I.; YERMAKOV, V.S.;
SAPOZHNIKOV, F.V.; BOROVOV, A.A.; BANIK, V.P.; DASKOVSKIY, Ya.M.;
ROGOVIN, N.A.; PETROV, A.N.; MEL'NIKOV, B.V.; LATYSH, D.I.;
KONIN, F.P.; DYDYKIN, P.Ye.; BONDAREV, I.I.; GUMENYUK, D.L.;
FOREGAYLO, K.M.

Ol'ga Sergeevna Kalashnikova; obituary. Elek.sta. 30 no.2:95
F '59. (MIRA 12:3)
(Kalashnikova, Ol'ga Sergeevna, 1914)

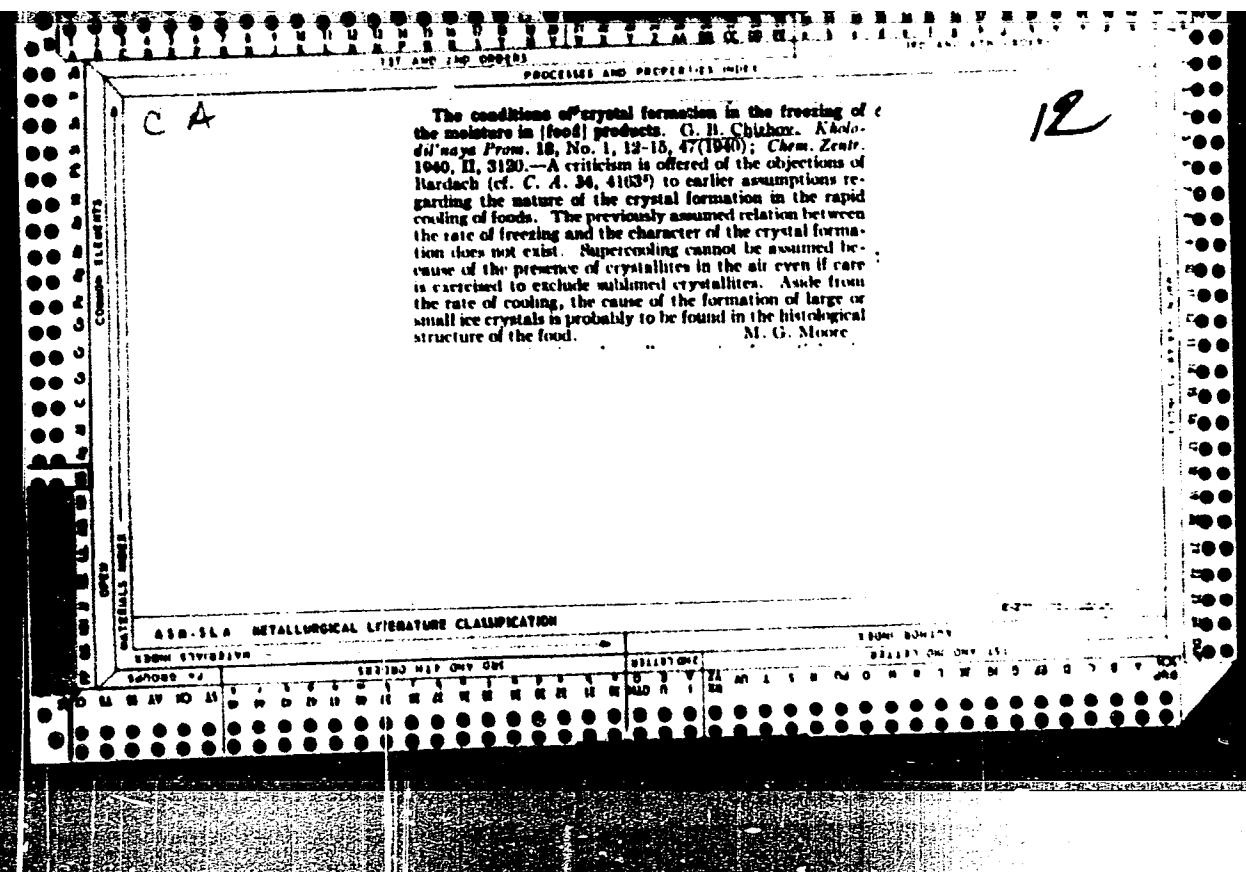
VASHCHENKO, A.I.; ZEN'KOVSKIY, A.G.; CHIZHOV, D.I.

Burning off gas to achieve a brighter flame in nonscale heating furnaces. Kuz...shtsem.proizv. 7 no.2433-35 F 165.

(MIRA 1814)

SULOVYEV, A.V., kand.tekhn.nauk; CHIZHOV, G.A.

Concerning the book "Fuel injection systems for marine diesel engines." Sudostroenie 29 no.6:66-67 Je '63. (MIRA 16:7)
(Marine diesel engines--Fuel systems)



L 1965-66

ACCESSION NR: AP5021819

2

carrots the maximum quantity of carbon dioxide evolved at 0°C, the authors represented the experimental results graphically by plotting temperature t versus log time $\ln \tau$, and obtained straight lines; designating the total time of the storage at 0°C by the symbol τ_0 , they found that the experimental results are represented by the equation $\ln \tau = \ln \tau_0 - at$. Values of the slope a are given for the different food products. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: Kafedra kholodil'noy tekhnologii, Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti (Department of Refrigeration Technology, Leningrad Technological Institute of the Refrigeration Industry)

SUBMITTED: 200ct64

ENCL: 00

44
SUB CODE: GC, LS

NO REF SOV: 002

OTHER: 004

Card 2/2 H

CHIZHOV, G. B. (Soviet)

PA 56/49T57

USSR/Medicine - Dry Frozen Biologicals Oct/Dec 48
Medicine - Refrigeration

"Physical Principles of Dry Frozen Biologicals,"
(Docent) G. Chizhov, Cand Tech Sci, Leningrad Inst of
Refrigeration and Milk Ind, 8 pp

"Kholodil' Tekh" No 4

Method of high-vacuum drying of frozen biologicals
has found wide application in preserving materials
such as blood, vaccines, serums, penicillin, etc.
Brief results of a special investigation provide
complete data on the thermal and material balance in
the drying process and establish the general principles
for engineering design of this process.

56/49T57

CHIZHOV, G. B.

"Phase Transformations of Water in Perishable Foodstuffs at Low Temperatures."
Thesis for degree of Dr. Technical Sce. Sub. 27 Oct. 49, Moscow Chemicotechnological
Inst. of Meat Industry.

Summary 82, 18 Dec. Dissertations Presented for Degrees in Science and Engineering
in Moscow in 1949. From Yechernaya Moskva. Jan-Dec 1949.

CHIZHOV, G.

CHIZHOV, G. I. ZUBKOVA, V.
33243 . Kachestvo Obrabotvi Masla I Stoikost' Ego Pri Khranenii. Moloch.
Prom-St', 1949, No. 10, c . 12-14

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

CA

12

Preparation of *massege* from meat defrosted in water.
N. Golovkin, G. Chichkov, E. Shkol'nikova, O. Shagin, and
M. Malchenko (Leningrad Inst. Refrig. and Milk Ind.).
Mysnaya Ind. S.S.R. 23, No. 1, 17-21(1959).—The
manuf. of 2 types of *massege* from beef defrosted 11 hrs. in
water at 12-15° and defrosted in air 70 hrs. at 8-12° was
compared giving gains or losses in each step and appearance
of the final products. The yields were practically the same.
The product from meat defrosted in water was normal in
appearance and taste. M. M. Piskur

CHIZHOV, G. E.

"Effect of Convection, Prolonged Lowering of Temperature and Preliminary Heating on Overcooling of Water", Tr. Leningrad. Inst. Kholodiln. i Moloch. Prom, No 4, 1953, pp 96-101.

Experience proved that, if we fix on the abscissa the temperature of the cooling reservoir and on the ordinate the difference of temperatures between this reservoir and the center of the vessel with the overcooled liquid at the instant of temperature jump in respect to the freezing point of the liquid, we obtain a characteristic broken-line graph, giving us the point of overcooling for every condition of heat transfer to the surrounding medium. (RZhFiz, No 1, 1955) SO: Sum. No. 443, 5 Apr. 55

GOLOVKIN, N.; CHIZHOV, G.; SHKOL'NIKOVA, E.; SHAGAN, O.

Defrosting meat in liquid media. Mysnaya Ind. S.S.S.R. 24, No.2,
5-8 '53. (MLRA 6:4)
(CA 47 no.15:7690 '53)

1. Leningrad Inst. Refrig. and Dairy Inds.

CHIZHOV, G., doktor tekhnicheskikh nauk; GOLOVKIN, N., kandidat tekhnicheskikh nauk; SHKOL'NIKOVA, Ye., kandidat tekhnicheskikh nauk.

Natural losses in meat freezing and storage. Khol.tekh. 30 no.4:27-34 0-D '53.

(MLRA 7:3)

(Cold storage) (Meat--Preservation)

CHIZHOV, G., doktor tekhnicheskikh nauk.

Theory of the formation of crystals during the freezing of food
products. Khokh. 30 no.4:53-55 O-D '53. (MLRA 7:3)
(Food, Frozen)

CHIKHVA, G.P.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Golevkin, N.A.	"Development of the Elements of the	Leningrad Institute of
Chishov, G.P.	Technology of Food	Refrigeration and
Shkol'nikova, Ye.F.	Products' Refrigeration"	Dairy Industry
Izref'yeva, M.M.		
Sheyan, I.S.		

SO: W-30604, 7 July 1954

CHIZHOV, G.B.

GOLOVKIN, N.A.; CHIZHOV, G.B.; SHKOL'NIKOVA, Ye.P.; SHAGAN, O.S.

Theory of the defrosting of meat. Trudy LPIKHP 5:64-68 '54.
(Meat, Frozen) (MIRA 11:3)

Chizhov, G. B.

✓ Effect of freezing on cheese. G. B. Chizhov and P. V. Perminova. Trudy Leningrad. Tekhnol. Akad. Khim. i in. Prom. S. 78-9 (1954); Referat. Zbir., Khim. 1955, No. 3119. — Various kinds of hard cheese were frozen to temps. of -18 to -184°. Freezing to -18° caused no substantial changes in structure. After thawing the original consistency was restored. It is suggested that cheese can be stored in frozen state. M. Hesch

2

CHIZHOV, GEORGIY BORISOVICH

GOLOVKIN, Nikolay Alekseyevich, doktor tekhnicheskikh nauk, professor;
CHIZHOV, Georgiy Borisovich, professor, doktor tekhnicheskikh
nauk; SHKRENTKOVA, Tatyana Fedorovna, kandidat tekhnicheskikh
nauk; SHCHEKOTOV, P.A., redaktor; MARKH,A.T., professor, retsenzent;
KHETAGUROVA, P.V., professor, retsenzent; KHRISTODULO,D.A., professor,
retsenzent; BABIN,F.P., dotsent, retsenzent; IL'CHENKO,S.G., dotsent,
retsenzent; CHOGOVADZE,Sh.K., dotsent, retsenzent; ROSLOV,G.I.,
tekhnicheskiy redaktor

[Technology of refrigerating food products] Kholodil'naia tekhn-
logiya pishchevykh produktov. Moskva, Gos.izd-vo ton-
govoii lit-ry, 1955. 375 p. (MIRA 9:3)
(Food--Preservation) (Refrigeration and refrigerating machinery)

CHIZHOV, G., professor, doktor tekhnicheskikh nauk.

Efficient heat exchange conditions in freezing food products. Khol.
tekh. 32 no.1:27-30 Ja-Mr '55. (MIRA 8:7)
(Foods, Frozen) (Refrigeration and refrigerating machinery)

~~CHIZHOV, Georgiy Borisovich; VASIL'YEVA, G.N., redaktor; CHEBYSHEVA, Ye.A.,~~
~~tekhnicheskiy redaktor~~

[Problems in the theory of freezing foods] Voprosy teorii samora-
zhivaniia pishchevykh produktov. Moskva, Pishchepromizdat, 1956.
139 p.
(Food, Frozen)

CHIZHOV, G. B.

GOLOVKIN, N.A., doktor tekhnicheskikh nauk; CHIZHOV, G.B., doktor tekhnicheskikh nauk; AREF'YEVA, M.M.; ALYAMOVSKIY, I.G.; SHAGAN, O.S.

Natural losses of meat during long storage. Trudy LTIKHP 10:22-32 '56.
(MIRA 10:6)

1. Leningradskiy tekhnologicheskiy institut khолодил'noy promyshlennosti.

(Mutton--Storage)

CHIZHOV, G.B., professor, doktor tekhnicheskikh nauk.

Relation between the rate of heat elimination and moisture migration
during the refrigeration of food products. Trudy LTIKHP 10:33 '56.
(MLRA 10:6)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlen-
nosti.

(Food, Frozen)

(Refrigeration and refrigerating machinery)

GOLOVKIN, N., professor; CHIZHOV, G., professor; ARMF'YEVA, M.; ALYAMOVSKIY, I.;
SHAGAN, O.

Natural losses in frozen mutton in lengthy storage. Khel.tekh.33 no.2:
25-30 Ap-Je '56. (Meat, Frozen) (MIRA 9:9)

CHIZHOV, G., doktor tekhn.nauk, prof.

Equation for determining length of time required to freeze meat in
freezer vaults. Khol.tekh. 34 no.3:61-66 J1-S '57. (MIRA 10:10)
(Meat, Frozen)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308920007-2

CHIZHOV, G. B.

"Investigation and Application of Freeze-Drying of Foods."

**Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen,
19 August - 2 September 1959.**

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308920007-2"

PAGE 7 DOCUMENT OF REPRODUCTION 807/5787

Scientific Congress of Refrigeration. Moscow, 1950
 Scientific Colloquium at SEM (Collected Works Reports) Moscow, December,
 1953. 228 p. Printed in Moscow, September 10, 1953. And was
 published by Sov. Servic Specialists. 2,000 copies printed.
 Sci. Ed. Sov. T. V. Shishov.

REPORT: This collection of articles is intended for those interested in the
 problems of food refrigeration.
 Specifically, the collection contains 26 reports which were submitted at the meeting of the Sov. Sci. Ed. Sov. This collection of the International Institute of
 Refrigeration. The meeting was held in Moscow, September 10, 1953. And was
 organized by Sov. Servic Specialists and was representatives from other
 countries. The 26 reports discussed in this meeting cover such broad areas
 as the utilization of the engine of refrigerating installations, the use of
 rotary and往复式 type refrigerating devices, fast-freezing food freezers, the
 use of centrifuges or rapid cooling and freezing of meat and fish, the
 problems of cold storage of food, and the operation of
 refrigerators and cooling systems. A complete account of the proceedings
 of this meeting was published by the International Institute of Refrigeration
 in 1955. The personnel of the International Institute of Refrigeration
 general of the available.

TABLE OF CONTENTS

Golovin, N. F., A. M. Almendro, L. Pogorelin, and G. Shushan. Generalized
 Refrigeration [Generalized Technology of Freezing, Preservation, and
 Refrigeration]. (Continued Technological Institute of the
 Refrigeration Industry. Department of Technological Institute of the
 Mechanical Chemistry of Molecular States in the Preparation of
 Meat and Fish)

Golovin, N. F., Yu. A. Novikov, N. S. Shchegoleva, Yu. A. Shchegoleva, and
 A. N. Gulyaev. [Generalized Technology of Freezing, Preservation, and
 Refrigeration. (Continued Technological Institute of the
 Preparation of Fish). The Use of Ultrachloroform for Preserving Fresh Fish]

Gorodetskaya, E. V. and N. I. Stepanov. [Generalized Technological
 Problems of the Refrigeration Industry]. Adiabatic and Anti-
 Adiabatic Properties of the O + P Thermal Compex

Gorodetskaya, E. V. and G. N. Pet. [All-Union Scientific Research
 Institute of the Refrigeration Industry] and A. I. Mikheev. Temperature Dependence of the Properties and Biotechnical Activity
 of Psychrophilic Bacteria Within the Range of Temperature Required
 for the Cold Storage of Food Products

Fishberg, A. I. [All-Union Scientific Research Institute of the Refri-
 geration Industry] and A. I. Mikheev. Calculation of the Refri-
 geration Properties of Fish on Air

Fishberg, A. I. [All-Union Scientific Research Institute of the Re-
 frigeration Industry] and A. I. Mikheev. The Effect of the Re-
 frigeration Conditions of Fish on Its Technological Properties in
 Properties During Refrigeration

Fishberg, A. I. [All-Union Scientific Research Institute of the Re-
 frigeration Industry] and A. I. Mikheev. Generalization of the Re-
 frigeration Properties of Fish on the Basis of Experimental Data
 on the Freezing of Fish Products

CONFERENCE NO. 5

CHIZHOV, G.B.

Concerning D.N.Zuev's article "Correlated operation of freezers."
Izv.vys.ucheb.zav.; pishch.tekh. no.3:175 '59.

(MIRA 12:12)

(Refrigeration and refrigerating machinery)
(Zuev, D.N.)

CHIZHOV, G.B.

BADIL'KES, I.S., prof., doktor tekhn.nauk; BUKHTER, Ye.Z., inzh.; VEYNBERG, B.S., kand.tekhn.nauk; VOL'SKAYA, L.S., inzh.; GERSH, S.Ya., prof., doktor tekhn.nauk [deceased]; GUREVICH, Ye.S., inzh.; DABIROVA, G.N., kand.tekhn.nauk; DYMNOVA, Ye.V., inzh.; IOFFE, D.M., kand.tekhn.nauk; KAN, K.D., kand.tekhn.nauk; LAVROVA, V.V., inzh.; MEDOVAR, L.Ye., inzh.; ROZENFEL'D, L.M., prof., doktor tekhn.nauk; TKACHEV, A.G., prof., doktor tekhn.nauk; TSYHLIN, B.L.; SHUMKISHSKIY, M.G., inzh.; SHCHERBAKOV, V.S., inzh.; YAKOBSON, V.B., kand.tekhn.nauk; GOGOLIN, A.A., retsenzент; GUKHMAN, A.A., retsenzент; KARPOV, A.V., retsenzент; KURYLEV, Ye.S., retsenzент; LIVSHITS, A.B., retsenzент; CHISTYAKOV, F.M., retsenzент; SHETNELLIN, A.Ye., retsenzент; SHEMSHEDINOV, G.A., retsenzент; PAVLOV, R.V., spetsred.; KOBULASHVILI, Sh.N., glavnnyy red.; RYUTOV, D.G., zam.glavnogo red.; GOLOVKIN, N.A., red.; CHIZHOV, G.B., red.; NAZAROV, B.A., glavnnyy red.izd-va; NIKOLAYeva, N.G., red.; BYDINOVA, S.G., mladshiy red.; MEDRISH, D.M., tekhn.red.

[Refrigeration engineering; encyclopedic reference book in three volumes] Kholodil'naya tekhnika; entsiklopedicheskii spravochnik v trekh knigakh. Glav.red. Sh.N.Kobulashvili i dr. Leningrad, Gostorgizdat. Vol.1. [Techniques of the production of artificial cold] Tekhnika proizvodstva iskusstvennogo kholoda. 1960. 544 p.
(MIRA 13:12)

(Refrigeration and refrigerating machinery)

ALEKSANDROW, S.V.---(continued) Card 2.

1. Vsesoyuznyy institut rasteniyevodstva (for Sechkarev, Lizgunova, Brezhnev, Gazeenbush, Meshcherov, Filov, Tkachenko, Kazakova, Krasochkin, Levandovskaya, Shebalina, Syskova, Makasheva, Ivanov, Martynov, Girenko, Ivanova, Shilova). 2. Gribovskaya ovoshchnaya selektsionnaya optytnaya stantsiya; chleny-korrespondenty Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Alpat'yev, Solov'yeva). 3. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Brezhnev).

(Vegetables--Varieties)

GOLOVKIN, N.A., prof.; CHIZHOV, G.B., prof.; IL'CHENKO, S.G., kand.tekhn.nauk,
retsenzent; SHEFTER, A.P., kand.tekhn.nauk, retsenzent; MASLOVA, Ye.F.,
red.; MAMONTOVA, N.N., tekhn.red.
[Refrigeration technology for food products] Kholodil'naia tekhnika
pishchevykh produktov. 2., dop. i perer. izd. Moskva,
Gosgorgizdat, 1963. 240 p. (MIRA 16:3)
(Food--Preservation)

L 38964-66
ACC NR: AP6020032

(A)

SOURCE CODE: UR/0066/66/000/002/0025/0028

AUTHOR: Chizhov, G. B. (Doctor of technical sciences, Professor); Kulmanova, N. K.ORG: Leningrad Technological Institute of the Refrigeration Industry (Leningradskiy
tekhnologicheskiy institut kholodil'noy promyshlennosti) 33
BTITLE: Relationship between the original condition of meat tissues and the changes caused by
freezing ✓

SOURCE: Kholodil'naya tekhnika, no. 2, 1966, 25-28

TOPIC TAGS: food, refrigeration, low temperature effect, COMMERCIAL ANIMAL,
FREEZING, FOOD CHEMISTRYABSTRACT: The author investigates the histological changes during freezing of the muscle
tissue of fresh beef in a state of stiffening (rigor mortis) and in a state of relaxation. The
gluteus muscles were removed from the beef carcasses. Some of the muscle was used for
investigating fresh meat and the rest was refrigerated at 0-4C. The condition of the meat
before freezing was estimated by the quantity of juice separated upon centrifugation. The
quantity of juice in the fresh muscle tissue was 7.5%, increased to 14-16% with the onset of
stiffening, and then dropped to 11-12% after 30 hr as a result of relaxation. Pieces of meat
were frozen in air and in nitrogen vapors at -80 to -90C, in alcohol at -70C, and in liquid

Card 1/2

UDC: 637.513.82

L 38964-66

ACC NR: AP6020032

nitrogen at -195C. There were no substantial differences between the changes of the specimens frozen in gases and between the changes of specimens frozen in liquids. Primarily, medium and large crystals formed in the tissue of fresh meat as a result of freezing in gases. There were comparatively few small crystals. Small crystals predominated in tissues of fresh meat frozen in liquids; there were appreciably fewer large and medium crystals. Small and large crystals predominate in the meat tissue in a state of stiffening when frozen in a liquid. A comparison of the effect of freezing on the tissues of fresh meat and meat in a state of stiffening showed that the latter is subject to greatest damage, the tissues being somewhat less damaged when frozen in liquids than in gases. Large and small crystals mainly formed in meat tissues frozen in gases in a state of relaxation. The relationship of the number of large, medium, and small crystals in meat tissues in a state of relaxation when frozen in liquids is the same as when frozen in gases. The histological changes of frozen relaxed tissue depends little on the method of freezing, whereas the tissue of fresh meat is damaged more at low freezing rates. Tissue is damaged least when frozen in gases in a state of relaxation. The tissue of fresh meat is damaged least when frozen in liquids. The authors conclude that meat tissue frozen in a state of stiffening is subject to the greatest damage and that cracks and ruptures form in meat tissue when frozen in liquid nitrogen regardless of its original state. Orig. art. has: 2 tables and 3 figures.

SUB CODE: 06/ SUBM DATE: 00/ ORIG REF: 006/ OTH REF: 003

Card 2/20

L 44448-66 EWT(1)/T JK/JXT

ACC NR: AP6023656

(A)

SOURCE CODE: UR/0066/66/000/004/0039/0041

AUTHORS: Chizhov, G. B. (Doctor of technical sciences, Professor); Didenko, R. A.;
Bikkulova, I. M.ORG: Leningrad Technological Institute for the Refrigeration Industry
(Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti)TITLE: Treating the surface of chicken eggshells to increase their lasting in
storage

SOURCE: Kholodil'naya tekhnika, no. 4, 1966, 39-41

TOPIC TAGS: food preservation, food technology, mineral oil, antibiotic / 50SU
mineral oil

6
ABSTRACT: A series of antibiotics and substances sealing the shell pores was applied to the surface of chicken eggshells in an effort to determine their ability to lengthen the storage period of eggs. None of the antibiotics tested (biomycin, nistatine, sorbic acid, and various mixtures of these) has shown any protective ability. Neither did aqueous solutions of sodium silicate, polyethylene packaging, or 10-sec dipping of the eggs in boiling water. The only promising results were obtained by immersing the eggs in 50SU mineral oil, especially if the latter contained 1% of the oil-soluble antibiotic hordecyn, described by N. V. Novotel'nov

UDC: 637.4.004.4

Cord 1/2

L 4448-66

ACC NR: AP6023656

O
and I. S. Yezhov (Novyy antibiotik gordetsin, vydelennyy iz yachmennogo zerna. Zhurnal Doklady vysshey shkoly (Biologicheskiye nauki), 1959, No. 3). The treatment resulted in a drastic decrease of dehydration, decrease of microbe population, and of the number of defective eggs. These advantages are especially pronounced upon prolonged storage, e.g., 3-4 months. Orig. art. has: 1 table.

SUB CODE: 06, 07/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001

Card 2/2 Jo

ACC NR: AT6036579

SOURCE CODE: UR/0000/66/000/000/0202/0203

28

AUTHOR: Kiselev, A. A.; Nikolayev, S. O.; Chizhov, G. K.

ORG: none

TITLE: Possibility of using the polycardiographic method for medical control of cosmonauts during flight [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 202-203

TOPIC TAGS: space medicine, biotelemetry, cardiology, polycardiography, bioinstrumentation

ABSTRACT: Methods used for medical monitoring of spaceflights must satisfy two basic requirements. Sensors for picking up physiological information must be located on the body surface of the cosmonaut and must be technically reliable. The data obtained must provide sufficient information concerning possible changes in the functional condition of the cosmonaut's organism.

On the basis of experience with manned spaceflights it is possible to

Card 1/3

L 10962-67

ACC NR: AT6036579

O

state that the observed shifts (changes in arterial pressure, pulse liability, etc.), did not exceed physiological norms, and were related to shifts in hemodynamics in the organism accompanied by vegetative reactions, characterized by the motion sickness syndrome and those effects which are associated with the return of cosmonauts to Earth. Since these shifts mainly involved the circulatory system, the need for a more complete evaluation of the activity of the cardiovascular system in designing medical monitoring systems for prolonged spaceflights becomes obvious.

Taking the requirements outlined above into account, the selected method of monitoring the condition of the cardiovascular system of the cosmonaut can be based on an analysis of the phase structure of the cardiac cycle based on polygraphy, obtainable with the aid of simple and reliable sensors. Using the proposed method, it is possible on the basis of duration of individual phases of the cardiac cycle to obtain quantitative characteristics of the contractual ability of the myocardium, to determine the temporal relationship between electrical and mechanical aspects of cardiac activity, and to evaluate the state of the regulatory mechanism of circulation under the influence of extreme spaceflight factors. These data, along with determination of the minute volume

Card 2/3

L 10962-67
ACC NR: AT6036579

(based on Stapp's formula), calculation of the propagation rate of the pulse wave, and other indices, will provide a sufficient amount of information concerning the condition of the cosmonaut's cardiovascular system.

The object of these experiments was to study the cardiac function during pressor-depressor reactions based on changes in the phase structure of the cardiac cycle. Experience with previous spaceflights has shown that this type of reaction can occur in cosmonauts. Functional tests included measured stimulation of the carotid sinus zone, changes in direction of the gravity vector in orthostatic tests, and changes in the magnitude of the gravity vector by means of accelerations. These tests revealed the dependence of the expulsion and tension phases on the frequency of cardiac contractions and degree of change of the systolic and diastolic pressure. It is concluded that the polycardiographic method can be used for evaluation of the condition of the circulatory mechanism under spaceflight conditions. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 3/3

SOV/137-58-10-20692

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 51 (USSR)

AUTHOR: Chizhov, I.

TITLE: Dust Precipitation by Electrically Charged Water (Osazhdeniye
pyli elektrozaryazhenoj vodoy)

PERIODICAL: Sb. materialov po pyleulavlivaniyu v tsvetn. metallurgii.
Moscow, Metallurgizdat, 1957, pp 361-367

ABSTRACT: Results of laboratory investigations of the precipitation of ore mine dust by electrically-charged water (ECW) conducted by M. Levashev and A. Frumkin at the NIGRIS Institute and continued at the VNIITsvetmet are presented. The efficiency of dust-particle pick-up by a drop (D) of water is described by a pick-up coefficient, $\gamma m/m_0$ [where m is the mass of dust particles entrapped by a D per unit time and m_0 is the mass of dust particles enclosed in a cylinder the base of which is the D itself, and the height of which is the D velocity vector (i.e., the volume swept by the D per unit time; Transl. Ed. Note)]. In the case of uncharged D of water, γ is always < 1 . Communication of an electric charge to the water D makes it possible to

Card 1/2

SOV/137-58-10-20692

Dust Precipitation by Electrically Charged Water

raise γ many times over. A description of the laboratory equipment is provided. The dust was blown into a chamber 2.2m^3 in volume. The water was atomized by a centrifugal jet, which yielded good atomization* at a pressure of 3 atm and a water flow rate of $0.66-0.72 \text{ liters/m}^3$. A 110-watt high-voltage generator was used, yielding 22.4 kv rectified voltage at JI of 10 microamps. In passing through a screen of 0.15-mm diam nichrome wires, the D acquires an electric charge. Measurement of dust content is run with the aid of 2 VDK ultramicrophotometers (a working instrument and a control instrument). The results of the experiments with laboratory equipment are communicated: a) the pick-up coefficient, γ , of the ECW is several times higher than that of neutral water; b) ECW D successfully capture finely-dispersed dust fractions, which are poorly or not at all captured by neutral D; and c) power costs for electrification of the water are insignificant.

G.G.

*50 percent of all droplets having a diameter <50 micron.

1. Particles (Airborne)--Precipitation 2: Drops--Electrical properties 3. Drop
Card 2/2 --Performance 4. Mathematics

18.1285
18.1200

31741
S/136/61/000/012/005/006
E193/E383

AUTHORS: Dontsov, S.N., Yermanok, M.Z., Candidates of Technical Sciences and Chizhov, I.N., Engineer

TITLE: Strength characteristics of titanium alloys and their application in calculating stresses during plastic-working operations

PERIODICAL: Tsvetnyye metally, no. 12, 1961, 74 - 76

TEXT: Lack of experimental data on the resistance of Ti alloys to deformation at various temperatures and deformation rates causes difficulties in designing equipment for plastic-working of these materials and in establishing optimum working schedules. Hence the present investigation, which is concerned with the properties of pure Ti (BT₁ (VT1)) and Ti alloys (BT₆ (VT6), BT₅ (VT5) and OT4). In Fig. 1, the hot tensile strength (σ_B' , kg/mm²) of these materials is plotted against temperature (°C). It will be seen that at 1 050 - 1 150 °C, i.e. in the hot-working temperature range, σ_B' of all four materials is very much the same. These values, however, cannot

Card 1/5

31741
S/136/61/000/012/005/006
E193/E383

Strength characteristics of

be used as the basis for calculating stresses during hot-working operations because they represent strength of undeformed material, whereas the strength of an alloy near the exit end of the deformation region depends on the deformation (rolling) rate. The effect of strain rate on σ_B of the alloys studied is illustrated in Fig. 2, where σ_B of the alloy VT5 is plotted against test temperature ($^{\circ}\text{C}$), curves 1-4 relating respectively, to strain rates of 0.33, 280, 740 and 1 120 %/sec: (similar results were obtained for the alloy VT6). The data presented in Fig. 2 are reproduced in a different manner in Fig. 3, where the so-called strengthening coefficient (c) is plotted against the strain rate (N, %/sec) at temperatures indicated by each curve. If it is assumed that the average resistance of a metal to deformation during rolling, $S_{A,p}$, is an arithmetical mean of its tensile strength near the entry and exit ends of the deformation region, it can be calculated from the formula:

Card 2/5

31741

S/136/61/000/012/005/006
E193/E383

Strength characteristics of ...

$$S_{A.CP} = \frac{1+c}{2} \cdot \sigma_{B_{STAT}} \quad (2)$$

where $\sigma_{B_{STAT}}$ is the tensile strength determined by the static test at a given temperature and c is the strengthening coefficient corresponding to a given rolling temperature and speed. If, as has been postulated by Perlin, $\sigma_{A.CP}$ is a geometrical means of σ_B near the exit and entry ends of the deformation region, Eq. (2) becomes:

$$S_{A.CP} = \sigma_{B_{STAT}} \cdot \sqrt{c} \quad (3)$$

The magnitude of c is independent of the rate of deformation in cold-rolling and the average resistance to deformation in this case is simply Card 3/b/

31741
S/136761/000/012/005/006
E193/E383

Strength characteristics of . . .

the arithmetical mean of UTS of the alloy before and after rolling. A more accurate value of $s_{\Delta \cdot cP}$ in cold-rolling is given by the formula proposed by M.Z. Yermanok in Ref. 5 (IVUZ, Tsvetnaya metallurgiya, 1959, no. 6):

$$s_{\Delta \cdot cP} = \frac{\sigma_{E_{HAC}} \cdot F_{HAC} + \sigma_{E_{KOH}} \cdot F_{KOH}}{F_{HAC} + F_{KOH}} \quad (5)$$

where $\sigma_{E_{HAC}}$ and $\sigma_{E_{KOH}}$ denote, respectively, the UTS of the alloy before and after rolling.

F_{HAC} and F_{KOH} denoting the cross-sectional area of the stock at the entry and exit ends of the deformation region.

Card 4/5

18 3100

26038
S/137/61/000/007/005/072
A060/A101

AUTHOR: Chizhov, I. S.

TITLE: Recovery of rhenium from gases in the course of roasting molybdenum concentrate

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 16, abstract 7G115 ("Sb. nauchn. tr. Vses. n.-i. gornometallurg. in-t tsvetn. met.", 1960, no. 6, 293-300)

TEXT: In the course of the roasting of unconditioned molybdenum concentrates 5 to 10 percent of the Mo and almost all of the Re is evaporated. For a complete recovery of the Re the temperature in the Cottrell precipitator should be maintained at $\leq 80^{\circ}\text{C}$ (preferably $65 - 70^{\circ}\text{C}$). It is most efficient to pass to cooling of gases in a wet scrubber capped by Raschig packing rings where it is easy to obtain the temperature required for condensation of the Re_2O_7 .

T. Svodtseva

X

[Abstracter's note: Complete translation]

Card 1/1

ARKHIPOV, Vsevolod Yakovlevich; KULIKOV, Oleg Nikolayevich; CHIZHOV, K.,
otv.red.; FILIPPOVA, E., red.; LEBEDEV, A., tekhn.red.

[Finance and banks of Indonesia] Finansy i banki Indonezii.
Moskva, Gosfinizdat, 1960. 95 p. (MIRA 14:3)
(Indonesia--Finance)

ARCHIPOV, Vsevolod Yakovlevich; PANKIN, M., red.; CHIZHOV, K., red.;
NADEZHIDINA, A., red.; LIEBEDEV, A., techn.red.

[Foreign capital in the economy of southeastern Asian countries]
Inostrannyi kapital v ekonomike stran Iugo-Vostochnoi Azii.
Moskva, Gosfinizdat, 1960. 150 p. (MIRA 14:3)
(Asia, Southeastern--Investments, Foreign)

CHIZHOV, K.

New victory of socialism in the peaceful competition with capitalism.
Fin. SSSR 21 no.10:41-48 O '60. (MIRA 13:10)
(Income tax)

CHITZHOV, K.

International foreign exchange and financial organizations are the tools of neocolonialism. Fin.SSSR 23 no.11:86-93 N '62.

(MIRA 15:12)

(Finance) (International agencies) (Underdeveloped areas)

CHIZHOV, Konstantin Yakovlevich; BYSTROV, F.P., doktor ekon. nauk, prof., red.; LARICHEV, G.M., red.izd-va; LEBEDEV,A., tekhn. red.

[International foreign exchange and finance organizations of capitalism] Mezhdunarodnye valiutno-finansovye organizatsii kapitalizma. Moskva, Gosfinizdat, 1963. 222 p.
(MIRA 17:1)

ORLOV, K.A., dozent; CHIZHOV, K.P.

Use of biogenic stimulators in fattening animals. Veterinariia
41 no.2:10-11 F '65. (MIRA 18:3)

1. Glavnijy veterinarnyy vrach tresta otkormochnykh sovkhozov,
Stavropol'skiy kray (for Chizhov).

BUTAKOV, D.; BOCHKOWA, V.; SHEVEL', I.; CHIZHOV, K.Ya., otv.red.; ROSHCHINA, L., red.; TELEGINA, T., tekhn.red.

[Finances of the people's democracies] Finansy stran narodnoi demokrati.i. Moskva, Gosfinisdat, 1959. 343 p. (MIRA 13:3)

1. Nauchno-issledovatel'skiy finansovyy institut (for Butakov, Bochkova, Shevel').
(Finance)

BOCHKOVA, V.; BULAKOV, D.; BURLAKOV, M.; SHEVEL', I.; CHIZHOV, K.Ya.;
ZABOROV, Ya., red. izd-va; POGODIN, Yu., red. izd-va; TELEGINA, T.,
tekhn. red.

[Banks and credit in the people's democracies] Banki i kredit v stranakh narodnoi demokratii. By V.I.Bochkova i dr. Moskva, Gosfinizdat, 1961. 323 p. (MIRA 14:11)

(Communist countries—Banks and banking)
(Communist countries—Credit)

BORISOV, Stanislav Mikhaylovich; CHIZHOV, K.Ya., otv. red.;
BORULYA, A., red.; TELEGINA, T., tekhn. red.

[International payments and the foreign exchange-
financial contradictions of the West European countries]
Mezhdunarodnye raschety i valiutno-finansovye protivore-
chiia stran Zapadnoi Evropy. Moskva, Gosfinizdat, 1963.
230 p. (MIRA 16:7)
(Europe, Western--Balance of payments)

D'YACHENKO, V.P., glav.red.; BACHURIN, A.V., kand. ekon. nauk, zam. glav. red.; GRASHCHENKO, V.S., kand. ekon. nauk, zam. glav. red.; ALEKSANDROV, A.M., doktor ekon. nauk, prof., red.; KISMAN, N.A., red.; LYUBIMOV, N.N., doktor ekon. nauk, prof., red.; PERESLEGIN, V.I., doktor ekon. nauk, prof., red.; USOSKIN, M.M., doktor ekon. nauk, prof., red.; BREGEL', E.Ya., doktor ekon. nauk, prof., red.; PLESHAKOV, S.Ye., red.; BUTAKOV, D.D., kand. ekon. nauk, red.; PODSHIVALENKO, P.P., red.; CHIZHOV, K.Ya., kand. ekon. nauk, red.; SHERMENEV, M.K., kand. ekon. nauk, red.; DARKOV, G.V., red.

[Financial and credit dictionary] Finansovo-kreditnyi slovar'. Chleny glav. red.: A.M.Aleksandrov i dr. Moskva, Finansy. Vol.2. M-IA. 1964. 688 p. (MIRA 17:9)

1. Chlen-korrespondent AN SSSR (for D'yachenko).

CHIZHOV, M.

Be more attentive to current requirements. NTO no.1:33-34 Ja '59.
(MIRA 12:2)

(Zaporozh'ye--Metallurgical research)

CHIZHOV, M. (g.Yaroslavl')

Innovator Mikhail Kirillov. NTO no.2:50-51 F '59.
(MIRA 12:2)
(Yaroslavl--Cast iron)

CHIZOV, M. A., Master Geogr Sci —(miss) "Ternopol' Omast" (Phys-Geogr characteristics). Ternopol', 1957, 19 pp (Min Higher Educ USSR. L'vov State University im. Ivan Franko. Dept of Physical geography), 200 copies. (KL, No 40, 1957, 91)

CHIZHOV, M. A.
CHIZHOV, M.A.

[Natural characteristics of Ternopol' Province] Priroda Ternopol'-skoi oblasti. Ternopol', Obizdat, 1957. 72 p. (MIRA 11:2)

1. Direktor Zaleshchitskoy sredney shkoly
(Ternopol' Province--Natural resources)

CHIZHOV, M.A.

Experience in mapping land forms of Ternopol Province. Nauk. zap.
L'viv. un. 40:210-213 '57. (MIHA 11:6)

1. Srednyaya shkola, Zaleschchiki, Ternopol'skoy oblasti.
(Ternopol Province--Physical geography--Maps)

CHIZHOV, Makar Afanas'yevich [Chyzhov, M.P.], kand. geogr. nauk;
NEZHNYIPAPA, V.Ya. [Nezhnypapa, V.IA.], red.; PIPA, L.D.,
[Fypa, L.D.], red. kart; GOREBUNOVA, N.M. [Horbunova, N.M.],
tekhn. red.

[The forest-and-steppe region in the Ukraine; a physicogeographical study] Ukrains'kyi lisostep; fiziko-geografichnyi narys.
Kyiv, Derzh. uchbovo-pedagog.wyd-vo "Radians'ka shkoal," 1961.
203 p. (MIRA 15:2)

(Ukraine—Physical geography)

CHIZHOV, M.A. [deceased]

Formation of the landforms of Moldavian Kodry. Geog.sbor. L'vov.
otd.Geog.ob-va SSSR no.8:36-44 '64.

(MIRA 18:5)

CHIZHOV, Nikolay Ivanovich, zootekhnik; UKOLOV, Grigoriy Fedorovich;
MASHKINA, A., red.; USTINOVA, S., tekhn. red.

[Pond fish culture in the Moscow region] Prudovoe rybolovstvo v
Podmoskov'e. Moskva, Mosk. rabochii, 1962. 38 p.
(MIRA 16:1)
I. Meliorator Serpukhovskoy Lugomeliorativnoy stantsii (for
Ukolov).
(Moscow Province--Fish culture)

CHEZHOV, N.T., Kapitan 2-go ranga

Italy's naval forces. Mar. abcr. 48 no.9:79-83 S '65.

(MIRA 18:8)

CHIZHOV, N. N.

^a
"Results of High-Speed Cutting of/Drift in Pit No.9 of the Shchekinugol' Trust,"
Tula Oblast' knizhnoye izd-vo, 1951. 15 pages.

MASHBITS, Ya.; KULAGIN, G.; TIKHOMIROV, V.P., otvetstvennyy redaktor;
CHIZHOV, N.N., redaktor; MOGINA, N.I., tekhnicheskiy redaktor

[Spain, Portugal, Andorra, Gibraltar] Ispaniya, Portugaliya,
Andorra, Gibraltar. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 23 p.
(Iberian Peninsula) (MIRA 9:9)

TIKHOVSKIY, V.P., otvetstvennyy redaktor; CHIKHOV, N.N., redaktor;
NOGINA, N.I., tekhnicheskiy redaktor

[Italy, Switzerland, Liechtenstein, San Marino, and Vatican City]
Italiia, Shveitsariia, Likhenshtein, San-Marino, Vatikan. Moskva,
Gos. izd-vo geogr. lit-ry, 1956. 31 p. (MIRA 9:7)
(Europe, Western--Geography)

CHIZHOV, N.N.

BUTZE, Herbert; KREST'YANINOV, R.A.[translator]; CHIZHOV, N.N., redaktor;
KOSHELEVA, S.M., tekhnicheskij redaktor

[In the twilight of tropical forests; nature, people, economy.
Translated from the German] V sumrake tropicheskogo lesa; priroda,
liudi, khoziaistvo. Perevod s nemetskogo R.A.Krest'ianinova. Moskva,
Gos. izd-vo geogr. lit-ry, 1956. 307 p. (MLR 10:1)
(Tropics)

Сборник, № 4.

BODRIN, V.V.; AVEBICHEV, L.A.; TIKHOMIROV, V.P., otvetstvennyy red.;
CHIZHOV, N.N., red.; NOGINA, N.I., tekhn.red.

[Hungary. Czechoslovakia] Венгрия, Чехословакия. Москва, Gos.
izd-vo geogr.lit-ry, 1957. 29 p. (MIRA 10:12)
(Hungary) (Czechoslovakia)

Chizhov, N.N.

DLIN, Nikolay Aleksandrovich; CHIZHOV, N.N., redaktor; NOGINA, N.I., tehnicheskiy redaktor [REDACTED]

[Cairo] Kair. Moskva, Gos. izd-vo geogr. lit-ry, 1957. 36 p.
(Cairo--Description) (MIRA 10:4)

С А Й 1 2 8 1 0 1 , Н . Н .

МЯКИН, Aleksandr Dmitriyevich, ~~ЧИЗНОВ, Н.Н.~~, redaktor; МАЛ'ЧЕВСКИЙ, Г.Н.,
redaktor kart; КОСУЛЕВА, С.М., tekhnicheskii redaktor.

[Japan; a geographical sketch] Япония; geograficheskii ocherk.
Moskva, Gos.izd-vo geogr.lit-ry, 1956. 93 p. (MIRA 10:4)
(Japan--Geography, Economic)

CHIZHOV, N. N.

SLUKA, A.Ye.; YASHCHENKO, G.I.; TIKHOMIROV, V.P., otvetstvennyy red.;
CHIZHOV, N.N., red.; MOGIMA, N.I., tekhn.red.; GOLITSYN, A.V., red.kart.

[France, Belgium, Netherlands, Luxembourg, Monaco] Frantsiia,
Bel'gija, Niderlandy, Liuksemburg, Monako. Moskva, Gos.izd-vo
geogr.lit-ry, 1957. 31 p. (MIRA 10:12)
(Europe, Western--Geography)

CHIZHOV, N.N.

MUKHIN, A.I.; SILAYEV, Ye.D.; AVDEICHEV, L.A.; BOIRIN, V.V.; TIKHOMIROV,
V.P., otvetstvennyy red.; ASOTAN, N.S., red.; CHIZHOV, N.N., red.;
OLEYKH, D.A., tekhn.red.

[Austria, Albania, Greece, and Yugoslavia] Avstriia, Albanii,
Gretsiiia, IUGoslavniia. Moskva, Gos. izd-vo geogr. lit-ry, 1957.
38 p. (MIRA 11:4)

(Albania--Geography) (Yugoslavia--Geography)
(Austria--Geography) (Greece--Geography)

Сборник
MOENSHING Khorst [Mensching, Horst]; BELEN'KIY, A.B. [translator]; CHIZHOV,
N.N., red.; KOSHNEVA, S.M., tekhn.red.

[Between the Rif and Dra. Translated from the German] Mezhdunarodnye
i Dra; puteshestvie po Morokko. [Perevod s nemetskogo A.B.Belen'kogo]
Moskva, Gos.izd-vo geogr. lit-ry, 1957. 182 p. (MIRA 11:3)
(Morocco—Description and travel)

CHIZHOV, N.N.

VAL'EV, B.B.; DUBROVSKAYA, N.G.; PAGIREV, B.V.; TIKHOMIROV, V.P., otvetstvennyy red.; CHIZHOV, N.N., tred.; VILENSKAYA, E.N., tekhn.red.

[Bulgaria, Rumania] Bolgariia, Rumyniia. Moskva, Gos. izd-vo
geogr. lit-ry, 1958. 23 p. (MIRA 11:4)
(Bulgaria--Geography, Economic)
(Rumania--Geography, Economic)

YAKOVLEV, N.; TIKHOMIROV, V.P., otvetstvennyy red.; CHIZHOV, N.N., red.;
VILINSKAYA, E.N., tselina. red.

[Great Britain, Ireland] Velikobritaniia. Irlandiia. Moskva, Gos.
izd-vo geogr. lit-ry, 1958. 23 p. (MIRA 11:10)
(Great Britain) (Ireland)

CHIZHOV, N.N.

VASIL'KOV, I.; ARMENGOL, L.; KUMKES, S.; KOLOSOVA, Yu.; TIKHOMIROV, V.P.,
otvetstvennyy red.; CHIZHOV, N.N., red.; VILENSKAYA, E.N., tekhn.
red.

[Cuba, Haiti, Dominican Republic, Puerto Rico, Jamaica] Kuba, Gaiti,
Dominikanskaia respublika, Puerto-Riko, Jamaika. Moskva, Gos. izd-
vo geogr. lit-ry, 1958. 23 p. (NIRA 11:8)
(West Indies)

VOL'SKIY, V.; DOLININ, A.; VOLKOV, A.; TIKHOMIROV, V.P., otvetstvennyy red.;
CHIZHOV, N.N., red.; VILINSKAYA, E.N., tekhn. red.

[Brazil, Bolivia, Paraguay, Uruguay] Braziliia, Boliviia, Paragvai,
Urugvai. Moskva, Gos. izd-vo geogr. lit-ry, 1958. 31 p.
(Brazil) (Bolivia) (Paraguay) (Uruguay) (MIRA 11:7)

KOSOLAPOV, Boris Yefimovich; CHIZHOV, N.N., red.; MAL'CHEVSKIY, G.N., red. kart.;
VILENSKAYA, E.N., tekhn. red.

[Tunis; a geographical sketch] Tunis; geograficheskii ocherk.
Moskva, Gos. izd-vo geogr. lit-ry, 1958. 43 p. (MIRA 11:11)
(Tunis)

S. A. D. N. N.

RAKOVSKIY, Sergey Nikolayevich; GLUSHAKOV, P.I., otvetstvennyy red.;
BULEN'KIY, A.B., red.; CHIZHOV, N.N., red.; NOGINA, N.I., tekhn.red.

[Federal People's Republic of Yugoslavia; a geographical description]
Federativnaya Narodnaya Respublika Jugoslavii; geograficheskii ocherk.
Moskva, Gos. izd-vo geogr. lit-ry, 1958. 79 p. (MIRA 11:4)
(Yugoslavia--Geography)

ANDREYeva, Vera Mikhaylovna; GOKHMAN, Veniamin Maksovich; KOVALEVSKIY,
Vladimir Pavlovich; POLOVITSKAYA, Mariya Yefimovna; POPOV, K.M.,
doktor ekon.nauk, otv.red.; SOLOV'YEVA, M.G., kand.geograf.nauk,
otv.red.; CHIZHOV, N.N., red.; VASILEVSKIY, L.I., red.; KISELEVA,
Z.A., red.kart; NOGINA, N.I., tekhn.red.

[Economic regions of the U.S.A.; the North] Ekonomicheskie
raiony SShA: Sever. Otv. red. K.M.Popov, M.G.Solov'eva. Moskva,
Gos. izd-vo geogr. lit-ry, 1958. 829 p.. (MIRA 12:1)
(United States--Economic geography)

MOISEYEV, P.; AREP'YEVA, N.I., red.; CHIZHOV, N.N., red.

[Turkey] Turtsiiia. Scale 1:2000000. Moskva, Gos.izd-vo geogr.
lit-ry, 1959. [Turkey] Turtsiiia. 29 p. (MIRA 13:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodesii i
kartografii.
(Turkey--Maps)

SLUKA, A.; LOBZOVA, N.A., red.; CHIZHOV, N.N., red.

[Belgium] Bel'glia. Scale 1:500000. Moskva, Gos.izd-vo geogr.
lit-ry, 1959. col.map fold. [Belgium] Bel'glia. 25 p.
(MIRA 13:3)
1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodesii i
kartografii.
(Belgium--Maps)

BARYSHNIKOVA, O., kand.geograf.nauk; BRUK, S.I., kand.geograf.nauk;
IVANOVA, M.A., red.; CHIZHOV, N.N., red.

[The Philippines] Filippiny. Scale 1:3000000. Moskva, Gos.
izd-vo geogr.lit-ry, 1959. col.map fold. [The Philippines]
Filippiny. 15 p. (MIRA 13:3)

1. Russia (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografi.

(Philippines--Maps)